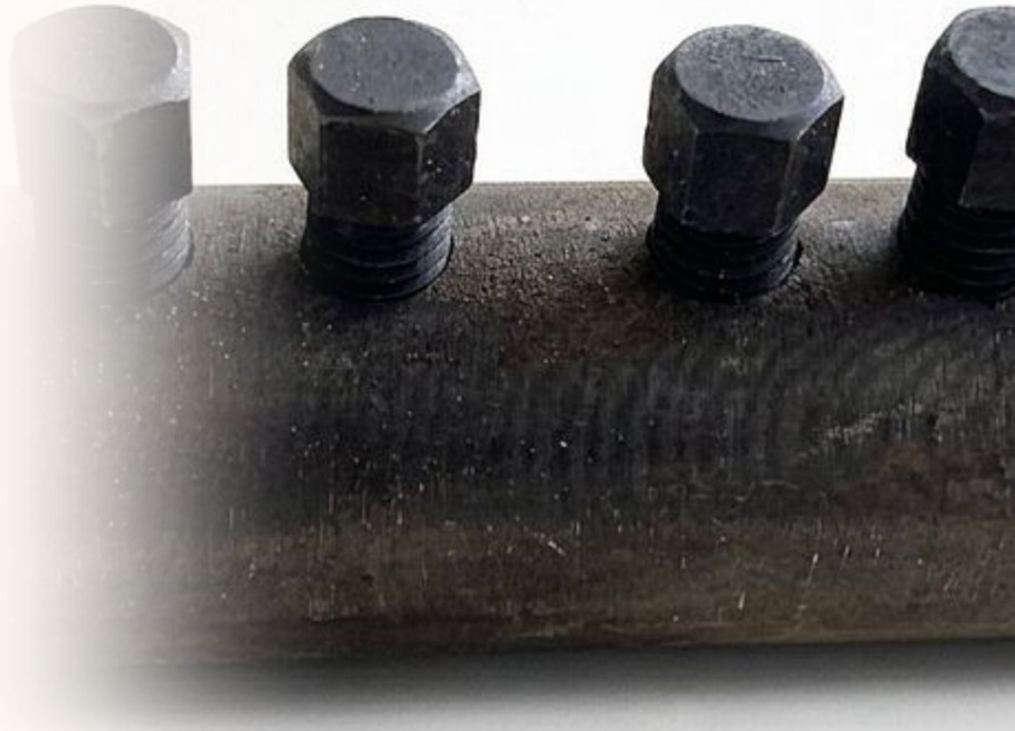
Surya Engineering Launches High-Strength MBT Coupler for Threadless Rebar Splicing in RCC Infrastructure

New Mechanical Bolted Type Coupler eliminates rebar threading and welding to accelerate project timelines across India

MUMBAI, INDIA — JULY 27, 2026

Surya Engineering, a trusted manufacturer and supplier of reinforcement accessories in India, has announced the nationwide availability of its high-performance **Mechanical Bolted Type Coupler (MBT Coupler)**. Designed to meet modern construction demands, the **MBT Coupler** provides a secure mechanical connection for reinforcement bars without requiring bar end threading, site welding, or bar rotation. Manufactured using high-strength alloy steel, the MBT Coupler supports rebar diameters ranging from 12mm to 40mm. It is engineered for critical applications across RCC construction, bridges, flyovers, metro rail networks, tunnels, industrial complexes, dams, marine structures, and retrofitting projects.



How the MBT Coupler Works

Engineering Advantage

Unlike traditional threaded options, the MBT Coupler utilizes high-tensile locking bolts that shear at precise torque levels to create a high-strength mechanical grip on the rebar. This design is particularly advantageous in confined spaces or scenarios where steel bars are already embedded in concrete. By removing pre-threading requirements, the system significantly reduces site labor time, minimizes reinforcement congestion, and optimizes material yield.

From Surya Engineering

> "Our MBT Coupler has been developed to solve real on-site challenges faced by contractors and project engineers. By eliminating the need for specialized threading machinery and welding equipment, we are helping construction teams save time, control costs, and achieve structural performance that reliably meets national quality benchmarks."

— Spokesperson, Surya Engineering

Key Product Features & Engineering Advantages

Zero Bar Preparation

Requires no rebar threading, forge-end processing, or welding.

Rapid Installation

Simple assembly using standard torque-controlled wrenches.

Versatile Integration

Ideal for fixed, non-rotatable, and pre-embedded reinforcement bars.

Structural Reliability

Achieves high tensile load capacity matching or exceeding parent rebar strength.

Enhanced Durability

Features a corrosion-resistant surface treatment for harsh site conditions.

Standard Compliance

Complies with relevant industrial parameters, including IS 16172:2023.

Supply & Support Across India

Surya Engineering maintains an extensive supply network across Western, Northern, Southern, Eastern, and Central India to support high-volume site requirements, backed by dedicated technical support for on-site installation and quality inspection.
For technical specifications, product catalogs, or quote requests, visit:

Product Page: https://suryaengineering.net/mbt-coupler.php

About Surya Engineering

Company Overview

Surya Engineering is an ISO-certified manufacturer and distributor of specialized reinforcement accessories and civil engineering products based in Mumbai, India. The company specializes in heavy-duty rebar splicing systems, formwork accessories, and structural solutions designed for high-rise, infrastructure, and industrial developments.

Media Contact

- **Company:** Surya Engineering
- **Website:** https://suryaengineering.net/
- **Product Page:** https://suryaengineering.net/mbt-coupler.php
- **Location:** Mumbai, Maharashtra, India